

## TECHNICAL DATA SHEET

# SYNOLAC® N33X

Short Oil Alkyd

### PRODUCT APPLICATION DETAILS

SYNOLAC® N33X is short oil, non-drying resin based on saturated fatty acids. It is well fitted as a backbone resin in acid curing, polyurethane and nitrocellulose finishes where excellent colour and colour stability is desired. Very good wet heat resistance can be attained when formulated with relevant amino resins.

### SALES SPECIFICATIONS

	CHARACTERISTICS	METHODS
Solid content (125°C, %)	68 - 72	ISO 3251
Viscosity (25°C, Gardner)	Z6Z7 - Z7	Gardner-Holdt
Color (Gardner)	Max. 1	ASTM D-1544
Acid value (mg KOH/g)	8 - 18	ISO 2114

### OTHER CHARACTERISTICS<sup>1</sup>

	CHARACTERISTICS	METHODS
Solvent	Xylene	-
Density (25°C, g/mL)	1.06	-
Fatty acid type	Saturated Fatty Acids	-
Fatty acid content (%)	33	-
Hydroxyl content (%)	3.03	-

<sup>1</sup>The data provided for these properties are typical values, intended only as guides, and should not be construed as sales specifications

### MARKETS

#### Coatings & Inks

- Industrial Coating
- Wood Furniture

### PERFORMANCE BENEFITS

- Excellent light color
- Fast drying time
- Good hardness
- Good sanding properties
- Good wet heat resistance
- Non-yellowing

# SYNOLAC® N33X

## FORMULATION GUIDELINES

### RECOMMENDATIONS FOR USE

SYNOLAC® N33X is recommended for furniture wood coating based on acid curing, 2-pack polyurethane or nitro-cellulose system, with its excellent light colour, it is particularly suited for clear and light colour topcoats.

### SOLUBILITY

Aromatic hydrocarbon — Complete  
Ester — Complete  
Ketone — Complete  
Glycol Ether — Complete  
Alcohol — Partial  
Aliphatic Hydrocarbon — Not Soluble

### COMPATIBILITY

Urea Resins — Very Good  
Isocyanate Resins — Very Good  
Short Oil Alkyd — Good  
Melamine Resins — Fair  
NC/CAB — Good  
Polyester Resins — Very Good  
Acrylic Resins — Fair  
Epoxy Resins — Good

## PRODUCT SAFETY

Please refer to the corresponding Safety Data Sheet.

## STORAGE AND HANDLING

SYNOLAC® N33X should be stored indoors in the original, unopened and undamaged container, in a dry place at a temperature not exceeding 35°C. Exposure to direct sunlight should be avoided.  
In the above mentioned storage conditions the shelf life of the resin will be 12 months.

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